

SEARCH REQUEST FORM

Scientific and Technical Information Center

CATE

Requester's Full Name: JANE ZARA Examiner #: 77512 Date: 8/15/02
 Art Unit: 1635 Phone Number 306-5220 Serial Number: 09/522,278
 Mail Box and Bldg/Room Location: 11003 Results Format Preferred (circle): PAPER DISK E-MAIL
11e12

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Delivery of Substances to Cells

Inventors (please provide full names): O'Han et al.

*Earliest Priority Filing Date: 2/14/01

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please search Sig ID No. 12.

- Size limit to 50AA

Unlimited search.

Edward Han
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Interference + Regular
Data Base.
Thanks.

pat 12

STAFF USE ONLY

Searcher: _____

Type of Search**Vendors and cost where applicable**

NA Sequence (#) _____ STN _____

Searcher Phone #: _____

AA Sequence (#) 2 Dialog _____

Searcher Location: _____

Structure (#) _____ Questel/Orbit _____

Date Searcher Picked Up: 8/28/02

Bibliographic _____ Dr. Link _____

Date Completed: _____

Litigation _____ Lexis/Nexis _____

Searcher Prep & Review Time: _____

Fulltext _____ Sequence Systems _____ POV

Clerical Prep Time: _____

Patent Family _____ WWW/Internet _____

Online Time: _____

Other _____ Other (specify) _____

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GenCore version 4.5

OM protein - protein search, using sw model

Run on: August 28, 2002, 12:23:41 ; Search time 30.25 Seconds
 (Without alignments)
 1721.371 Million cell updates/sec

Title: US-09-522-278B-12
 Perfect score: 1561
 Sequence: 1 MTSRRRSVSKGGPREVPRDEYE..... PTERPAPAPARSARPPRPPVE 301

Scoring table: BLOSUM62
 Gppop 10.0 , Gapext 0.5

Searched: 562222 seqs, 172994929 residues

Total number of hits satisfying chosen parameters: 562222

Minimum DB seq length: 0
 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
 Maximum Match 100%

Listing first 45 summaries

Database : SPREMBL_19

- 1: sp_archaea:*
- 2: sp_bacteria:*
- 3: sp_fungi:*
- 4: sp_human:*
- 5: sp_invertebrate:*
- 6: sp_mammal:*
- 7: sp_mhc:*
- 8: sp_organelle:*
- 9: sp_phage:*
- 10: sp_plant:*
- 11: sp_rabbit:*
- 12: sp_virus:*
- 13: sp_vertebrate:*
- 14: sp_unclassified:*
- 15: sp_rvirus:*
- 16: sp_bacteri:*
- 17: sp_archeap:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Length	DB ID	Description
1	1014.5	65.0	300	P89468 herpes simp
2	270.5	17.3	304	03923 equine herb
3	228	14.6	301	09e205 coracophtec
4	210	13.5	249	059318 mare's dis
5	210	13.5	249	09e6m/ turkey herb
6	207	13.3	241	089247 gallid herb
7	198	12.7	283	09dhc2 malead h
8	168.5	10.8	389	09w42 hom sapien
9	168.5	10.8	441	075685 hom sapien
10	153	9.8	252	09dwg9 rat cytomeg
11	149.5	9.6	956	09uq39 hom sapien
12	149.5	9.6	4	09u039 hom sapien
13	149.5	9.6	3122	089459 herpes simp
14	148	9.5	266	12 056868 galid herb
15	146.5	9.4	16	09rvf4 delnoocox
16	146.5	9.4	1343	4 09h7n4 hom sapien

ALIGNMENTS

RESULT	1
ID	P89468 PRELIMINARY;
AC	P89468;
DT	01-MAY-1997 (TREMBL: 03, Last sequence update)
DT	01-DEC-2001 (TREMBL: 19, Last annotation update)
DE	TEGMENT PROTEIN.
GN	UL49.
OS	Herpes simplex virus (type 2).
OS	Herpes simplex virus, no RNA stage; Herpesviridae;
OC	Viruses: dsDNA viruses, no RNA stage;
OC	Alphaherpesvirinae; Simplexvirus.
OX	NCBB_TAXID=10310;
RN	[1]
RP	SEQUENCE FROM N. A.
RC	STRAIN-HG52;
RX	MEDLINE-87111457; PubMed-3027242;
RA	McGooch D.J., Moss H.W., McNab D., Frame M.C.: "DNA sequence and genetic content of the herpes simplex virus type 2 genome: unique component of the herpes simplex virus type 2 genome, identification of the gene encoding glycoprotein G, and evolutionary
RT	comparisons"; J. Gen. Virol. 68:19-38(1987).
RL	[2]
RN	J. Gen. Virol. 68:19-38(1987).
RP	SEQUENCE FROM N. A.
RC	STRAIN-HG52;
RX	MEDLINE-90218430; PubMed-2161906;
RA	Evelet R., Fenwick M.; "Comparative DNA sequence analysis of the host shutoff genes of herpes simplex virus type 2 strain HG52 encodes different strains of herpes simplex virus: type 2 strain HG52 encodes truncated UL41 product"; J. Gen. Virol. 71:1387-1390(1990).
RT	[3]
RP	SEQUENCE FROM N. A.
RC	STRAIN-HG52;
RX	MEDLINE-92113549; PubMed-1662697;
RA	McGooch D.J., Cunningham C., McIntyre G., Dolan A.; "Comparative sequence analysis of the long repeat regions and adjoining parts of the long unique regions in the genomes of herpes